Product: SFCL07752 Preparation Date: 09/18/03 Page 4

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

designated areas only. Remove and launder clothing if contaminated.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : -44 - 634 F VAPOR DENSITY : Is heavier than air : MINT WHEN WET ODOR ODOR THRESHOLD : N.D. APPEARANCE EVAPORATION RATE: Is faster than Butyl CLEAR LIQUID SOLUBILITY IN H2O : PARTIALLY SOLUBLE Acetate SPECIFIC GRAVITY: 0.7253
pH @ 0.0 % : N.D.
VISCOSITY : N.D. FREEZE POINT : N.D. VAPOR PRESSURE : N.D. PHYSICAL STATE : LIQUID COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Heat, sparks, welding arcs, open flame, pilot lights, static electricity or other source of ignition.

INCOMPATIBILITY: acids, strong oxidizers,

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide and carbon dioxide, various hydrocarbons,

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions,

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

(Continued on Page 5)

Product: SFCL07752 Preparation Date: 09/18/03

Page 5

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Aerosols

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 2.1

HAZARD SUBCLASS: NONE

DOT UN/NA NUMBER: UN1950

PACKING GROUP: NONE

RESP. GUIDE PAGE: 126

ADDITIONAL INFORMATION:: For domestic ground and air shipment this product may be shipped as a Consumer Commodity ORM-D. Outer cartons must have the ORM-D or ORM-D AIR designation. (our original cartons are preprinted with the ORM-D designation for ground shipment)

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT % IS LESS THAN No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER No information is available.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

: On June 30, 1993 the OSHA Z-1-A table was revoked and OSHA reverted back to their prior exposure limits. The values on this MSDS reflect the roll

(Continued on Page 6)

SECTION 15 - REGULATORY INFORMATION

back to the prior values. Some states may continue to enforce the 1993 limits. On June 16, 1995 EPA announced in a final rule that acetone would no longer be considered a VOC for air attainment standards. (it is now an exempt compound) The VOC calculations on this MSDS are based on acetone being an exempt compound. The June 16 rule also removed acetone from the list of SARA 313 reportable chemicals.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 09/18/03

REASON FOR REVISION: NEW FORMULA

VOC CONTENT: 22.3 % BY WEIGHT, 163 GRAMS/LITER TOTAL PRODUCT, 529 GRAMS/LITER LESS WATER AND EXEMPT, 0.20 LBS/CAN

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is been checked and should be The information contained on this MSDS is been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. The environmental information and hazardous materials identification system have been included by Camie-Campbell Inc. in order to provide additional health and hazard classification information. The ratings recommend are based upon the criteria supplied by the developers of these rating systems, together with Camie-Campbell Inc.'s interpretation of the available data. Proper personal protective equipment varies widely with conditions of use and anticipated exposure. We recommend that a supervisor or other qualified person determine proper PPE for intended use.

<END OF MSDS>

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**** DRAFT COPY -- FOR EVALUATION USE ONLY ****

PRODUCT NAME : L-7750 CLEANER IDENTIFICATION NUMBER: SFCL07750 PRODUCT USE/CLASS :

DATE PRINTED: 09/18/03

SUPPLIER: Camie-Campbell 9225 Watson Industrial Park St. Louis, MO 63126

MANUFACTURER: Camie-Campbell 9225 Watson Industrial Park St Louis, MO 63126

EMERGENCY TELEPHONE: 800-424-9300 24 HOUR EMERGENCY PHONE EMERGENCY TELEPHONE: 800-424-9300 24 HOUR EMERGENCY PHONE

PREPARER: JIM. PHONE: 314/968-3222, PREPARE DATE: 09/18/02

	SECT	ION 2 - COMP	OSITION/INFORMA	TION ON INGRED	TENTS	
ITEM		CHEMICAL	NAME	CAS NU	MBER	WT/WT % LESS THAN
01 02	ACETONE PROPANE			67-64-1 74-98-6		80.0 % 25.0 %
ITEM	TLV-TWA	TLV-STEL	EXPOSURE LIMIT OSH PEL-TWA	TO SHARW BUT THE SAME	COMPANY TLV-TWA	SKIN
0.1	500 ppm 2500 PPM	750 ppm N.E.	1000 ppm 1000 ppm	N.E.	N.E. N.E.	NO
01						

*** EMERGENCY OVERVIEW ***: Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapor, liquid, and/or solid). All hazardorecautions given must be observed. Do not flame cut, braze or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal may be harmful or fatal.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Can cause severe irritation, redness, tearing, blurred vision.

(Continued on Page 2)

Product: SFCL07750

Preparation Date: 09/18/03

Page 2

SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation defatting, dermatitis.

SFFECTS OF OVEREXPOSURE - INHALATION: Excessive inhalation of vapors can cause masal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

EFFECTS OF OVEREXPOSURE - INGESTION: No Information.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: kidney damage, eye damage, liver damage,

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.

FIRST ATD - SKIN CONTACT: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Get medical attention if irritation persists.

FIRST ATD - INHALATION: Remove individual to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration if breathing has stopped. Keep person warm and quiet. Set medical attention.

FIRST AID - INGESTION: Do not induce vomiting. Give two glasses of water if conscious. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -156 F (PENSKY-MARTENS C.C.) LOWER EXPLOSIVE LIMIT: 2.2 % UPPER EXPLOSIVE LIMIT: 12.8 %

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at locations distant from material handling point. For aerosol products - exposure to temperatures over 130F may cause containers to burst releasing highly flammable gas.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive

(Continued on Page 3)

SECTION 5 - FIRE FIGHTING MEASURES

pressure mode when fighting fires. Keep fire exposed containers cool with water fog.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STIPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition & ventilate area. Persons not properly equipped should be excluded from area. Stop spill at source - prevent spreading. Avoid inhalation of vapors. Avoid skin contact with liquid. Soak up on absorbent material and place into proper container for disposal. Use non-sparking scoops for flammable materials. Clean walking surfaces thoroughly to reduce slipping hazard.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Containers of this material may be hazardous when emptied, since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch on containers. Intentional misuse by deliberately concentrating and inhaling the vapors from this product may be harmful or fatal.

STORAGE: Do not store above 120F. Do not store in direct sunlight. Keep away from heat sources, open flame, pilot lights, sparks, and other sources of ignition. Do not store above 120F. Do not store in direct sunlight.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

RESPIRATORY FROTECTION: If work place exposure limits of product or any component is exceeded, use a NIOSH/MSHA approved respirator. Consult your safety equipment supplier for recommendations.

SKIN PROTECTION: Wear impervious gloves if method of use involves skin contact with product. Consult your safety supply vendor for glove recommendations.

EYE PROTECTION: Wear safety glasses at minimum, more extensive protection may be necessary depending on how the product is to be used.

OTHER PROTECTIVE EQUIPMENT: Wear impervious clothing if bodily exposure is anticipated. Consult your safety supply vendor for recommendations.

HYGIENIC PRACTICES: Wash hands before eating or smoking. Smoke in designated areas only. Remove and launder clothing if contaminated.

(Continued on Page 4)

Product: SFCL07750 Preparation Date: 09/18/03 Page 4

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : -44 - 133 F VAPOR DENSITY : Is heavier than air ODOR : MINT WHEN WET ODOR THRESHOLD : N.D. EVAPORATION RATE: Is faster than Butyl SOLUBILITY IN H20 : MOSTLY SOLUBLE FREEZE POINT : N.D. SPECIFIC GRAVITY: 0.7253 VAPOR PRESSURE : N.D. DH @ 0.0 % : N.D. PHYSICAL STATE : LIQUID VISCOSITY : N.D. COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Heat, sparks, welding arcs, open flame, pilot lights, static electricity or other source of ignition.

INCOMPATIBILITY: acids, strong oxidizers,

PAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide and carbon dioxide, various hydrocarbons,

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component texicological information is available.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Aerosols

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 2.1

HAZARD SUBCLASS: NONE

(Continued on Page 5)

SECTION 15 - TRANSPORTATION INFORMATION

DOT UN/NA NUMBER: UN1950

PACKING GROUP: NONE

RESP, GUIDE PAGE: 126

ADDITIONAL INFORMATION:: For domestic ground and air shipment this product may be shipped as a Consumer Commodity ORM-D. Outer cartons must have the ORM-D or ORM-D AIR designation. (our original cartons are preprinted with the ORM-D designation for ground shipment)

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Resuthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 213 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No information is available. CAS NUMBER

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

: On June 30, 1993 the OSHA Z-1-A table was revoked and OSHA reverted back to their prior exposure limits. The values on this MSDS reflect the roll back to the prior values. Some states may continue to enforce the 1993 limits. On June 16, 1995 EPA announced in a final rule that acetone would no longer be considered a VOC for air attainment standards. (it is now an exempt compound) The VOC calculations on this MSDS are based on acetone being an exempt compound. The June 16 rule also removed acetone from the list of SARA 311 reportable chemicals.

(Continued on Page 6)

Product: SFCL07750

Page 6

SECTION 16 - OTHER INFORMATION

EMIS RATINGS - HEALTH: 2

FLAMMABILITY: 4

REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 09/18/03

REASON FOR REVISION: NEW FORMULA

VOC CONTENT: 20.1 % BY WEIGHT, 142 GRAMS/LITER TOTAL PRODUCT, 507 GRAMS/LITER LESS WATER AND EXEMPT, 0.18 LBS/CAN

N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. The environmental information and bazardous materials identification system have been included by Camie-Campbell Inc. in order to provide additional health and hazard classification information. The ratings recommend are based upon the criteria supplied by the developers of these rating systems, together with Camie-Campbell Inc.'s interpretation of the available data. Proper personal protective equipment varies widely with conditions of use and anticipated exposure. We recommend that a supervisor or other qualified person determine proper PPE for intended use.

<END OF MSDS>

Appendix G MSDSs for Baseline Cleaners for Toxicity Comparison

rage i vi T

MSDS - Material Safety Data Sheet Product Name: ENGINE BRITE HEAVY DUTY ENGINE DEGREASER

MSDS No.: EB1

L Basic In,	formation:	解析的图片表现			10 mm			
Address: P. City, ST Zip: Emergency i Emergency i Contact: Ro	er: RADIATOR SPECIALTY COMPANY O. BOX 159, 600 RADIATOR ROAD : INDIAN TRAIL, NC 28079 Contact: Rocky Mountain Poision Contr Telephone Number: 303-623-5716 bert Geer Telephone Number: 704-588-3430	ol Center			NF He		ossivity 0	
Last Update: Chemical St Chemical Ty		Solid			0 В	Reactivity Pers. Pro	,	
IL Ingredie	onts:		學語句	Marine St.		研究を		
Trade So	ecrat	Ð	ts ia	RC	SARA 313	OSHA	ACGIH	Other
CAS No.	Chemical Name	% Range	NTP	SUB Z		PEL	TLV	Limits
111762	2-Butoxyethanol	1-2			×	25 ppm	25 ppm	
78330128	Alkyl Aryl Sulfonate	<1						5 mg/m
124389	Carbon dioxide	1-3					5000 ppm	
9016459	Ethoxylated Nonyl Phenol	3-5				N/D	N/D	
68476346	Petroleum distillate, Aliphatic	80-88					100 ppm	
64742945	Petroleum naphtha	6-9			х	Not Establi	100 ppm	100 pp
III. Hazara	lous Identification:				5 14 7	Elpista 6	ile for all	
Hazard Cate	gory:							
X Acut	te Chronic	X Fire		[2	X Pres	ssure		Reactive
Flammabl Level 3 As	dentification Information: le. Harmful or Fatal if Swallowed. E erosol id Measures:	eye and Skin Irritant.	Contents	Under Pre	ssure	Programme	TH/145	2,732
Route(s) of E	Entry	The second second						
	n, Eye, Inhalation, and Ingestion.							
Health Hazar	rds (Acute and Chronic):							
Signs and S	ymptoms:							
Skin Cont Inhalation	act: Irritant, Prolonged contact may act: Irritant, Defatting of tissue, den c: Irritant to mucous membranes, R HARMFUL OR FATAL IF SWALLOV	matitis may occur. epeated exposure m	ay cause	narcosis				

136

Page 2 of 4 Thursday, March 13, 2003

MSDS - Material Safety Data Sheet Product Name: ENGINE BRITE HEAVY DUTY ENGINE DEGREASER

MSDS No.: EB1

Medical Conditions Generally Aggravated by Exposure:

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyellids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before rouse.

Inhalation: Remove to fresh air. If breathing becomes difficult give oxygen and get prompt medical attention. If breathing stops, give artificial respiration and get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately. Aspiration of vomitus into the lungs can cause pneumonitis, which can be fatal.

Other Health Warnings:

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

V. Fire Fighting Measures:

Flash Point: 165°

Lower Explosive Limit: N/E

Upper Explosive Limit: N/E

F.P. Method: TCC

Fire Extinguishing Media: Water Fog, Foarn, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures:

Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread. Use shield to protect from rupturing and venting containers.

Unusual Fire and Explosion:

At elevated temperatures containers, may vent, rupture or burst, even violently

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a non-metalic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occured.

VIL Handling and Storage:

Precautions to be Taken:

Handling: Use with adequate ventilation and proper protective equipment.

Do not use near fire, sparks, or flame. Do not puncture or incinerate container.

Store in cool, well ventilated area below 120°F away from heat sources.

Other Precautions:

Avoid contact with eyes. Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent over-exposure.

Page 3 of 4 Thursday, March 13, 2003

MSDS - Material Safety Data Sheet Product Name: ENGINE BRITE HEAVY DUTY ENGINE DEGREASER

MSDS No.: EB1

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

See Section 2 for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

Personal Protective Equipment:

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses, gloves, and apron.

IX. Physical and Chemical Properties:

Boiling Point: 305°F

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): N/D

Vapor Pressure (mm Hg.): N/D

Specific Gravity (H20 = 1): 0.88000

Vapor Density (AIR = 1): 1.2

Solubility In Water: Emuifies

Appearance and Odor: Amber liquid with petroleum odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong oxidizing agents.

Decomposition/By Products:

High temperatures and ignition sources produce products of combustion: carbon monoxide, sulfur-like smoke,

Hazardous Polymerization:

Will not occur.

XL Toxicological Information:

N/D

XIL Ecological Information:

N/D

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

XIV. Transport Information:

DOT Hazard Class: ORM-D

Shipping Name: Consumer Commodity

Page 4 of 4 Thursday, March 13, 2003

MSDS - Material Safety Data Sheet Product Name: ENGINE BRITE HEAVY DUTY ENGINE DEGREASER

MSDS No.: EB1

XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

Warning: This product contains a chemical(s) known to the State of California to cause cancer or birth defects or other reproductive harm.

XVI. Other Information:

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALSI

N/E: Not Established N/D: Not Determined N/A: Not Applicable N/AV: Not Available

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered soley for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is repsonsible for full compliance.

MATERIAL SAFETY DATA SHEET

24 HOUR ENERGENCY-MUMBER - CHEMTREC 1-800-424-9000 MOD PRODUCTS CO., INC.: INFORMATION 1-818-895-2258

MSDS CODE: 1032 NEPA CODES: H F 3 4 PRODUCT NAME: THROTTLE-BODY & AIR-INTAKE CLN RO SECTION I - MANUFACTURER IDENTIFICATION = DATE PRINTED : 02/09/04 NAVUFACTURER'S NAME: MOC PRODUCTS.CO., INC. DATE REVISED : 02/05/2004 ADDRESS : 12306 HONTAGUE STREET NAME OF PREPARER : YULIN GU SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION -REPORTABLE COMPONENTS VAPOR PRESSURE HE IGHT PEL/OSHA CAS NUMBER no Hg 9 TEMP PERCENT ACETONE 67-64-1 40-50 75C PPM 9" TOLUENE 108-88-3 40-50 100 FPH * METHYL ALCOHOL 67-56-1 1-5 200 FPM - SKIN * Indicates toxic chemical(s) subject to the reporting requirements of section 3i3 of Intle 111 and of 40 CFR 372

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS BOILING POINT : <100 F SPECIFIC GRAVITY (H20-1): 0.83 WAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER SOLUBILITY IN HATER: NOT SOLUBLE IN HATER : SOLVENT FLASH POINT : 40 F FIRE AND EXPLOSION HAZARD DATA ==== METHOD USED: TVa FLAHMARIE LIMITS IN AIR BY VOLUME. LOWER: NO DATA UPPER: NO DATA EXTENSIFISHING MEDIA: USE REGULAR FORM, DRY CHEMICAL, OR COZ. SPECIAL FUREFUGHTING PROCEDURES: EXTREMELY FLAMMABLES KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMS AND ALL OTHER SOURCES OF SCUTTION USE WITH ADEQUATE UMISUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVER THAN AIR AND MAY TRAVEL ALDNG THE GROUND OR BE HOVED BY AIR CURRENTS AND IGNITED BY HEAT. PILLOT LIGHTS. OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL MADELING POINT SECTION V - REACTIVITY DATA STABILITY: STATE INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH ACTOS AND STRONG OXIDIZERS HAZARDOUS DECEMPUSITION OR BYPRODUCTS: BURNING MAY PRODUCE OXIDES OF CARBON AND TRACE OF HYDROCARBONS. HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA = EFFECTS OF OVEREXPOSURE: (ACUTE AND ID-HIDHIC) EYES - CAN CAUSE TRAITATION SKIN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE ERRETATION, DEFATTING AND DERMATETES INGESTION - CAN CAUSE GASTRO-INTESTIONAL, NAUSEA, VOMITING, AND DIARRHEA. CARCINOGENICITY HTF CARCINOGEN: No LARC HONOGRAPHS: 40 OSHA REGULATED: Yes MA MEDICAL CONDITIONS SEMERALLY AGGRAVATED BY EXPOSURE: PREEXISTING SKIN. EYE. AND RESPIRATORY DISDROERS MAY BE ASGRAVATED BY EXPOSURE TO PRODUCT EMERGENCY AND FIRST ATD PROCEDURES: Page 1

140

MATERIAL SAFETY DATA SHEET SKIN - IMMEDIATELY FLUSH SKIN WITH PLENTY OF RUNNING MATER FOR AT LEAST 30 MINUTES. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR WASH BEFORE REUSE.

EYES FLUSH IMMEDIATELY WITH LARGE ANOUNT OF WATER FOR AT LEAST 15 MINUTES, CONSULT A PHYSICIAN

IMMALATION - IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR IF BREATHING IS DIFFICULT, ADMINISTER DAYGEN. IF BREATHING STOPS. GET HEDICAL ATTENTION THREDIATELY

RIMARY ROUTES OF ENTRY: SKIN, INHALATION SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE NATERIAL IS RELEASED OR SPILLED: ASSURE THE LARGE SPILL WITH PLENTY OF ASSURBENT MATERIAL. WASH THE RESIDUE DOWN THE DRAIN OR PIT WITH PLENTY OF MATER USE PLENTY OF WATER ON SHALL SPILLS.

WASTE DISPOSAL NETHOO-

DISPOSE OF ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS FOR YOUR AREA.

PRECAUTIONS TO BE TAKEN IN HANGLING AND STORING: STORE ESTIMEN 40 AND 120 F PROTECT FROM PHYSICAL DANAGE, AND KEEP TIGHTLY CLOSED.

OTHER PRECAUTIONS: N/A
SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: AN APPROPRIATE APPROVED HIGHDCARROY CANISTER FOR DISIANCE VAPOR SHOULD BE WORN IF EXPOSURE HILL BE PROLONGED.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL VENTILATION.

PROTECTIVE CLOVES: MEAR CHEMICAL RESISTANT CLOVES SUCH AS NETRILE RUBBER, PVC. ETC.

EVE PROTECTION: WEAR SAFETY GLASSES

OTHER PROTECTIVE CLOTKING OR EQUIPMENT: N/A

MORKANIGERALD PRACTICES:

EYE MASH AND SAFETY SHOWER SHOULD BE EASILY ACCESSIBLE. PROVIDE ADEQUATE VENTILIZATION. AVOID CONTACT WITH EYES AND

SAFETY SHOWER SHOULD BE EASILY ACCESSIBLE. PROVIDE ADEQUATE VENTILIZATION. AVOID CONTACT WITH EYES AND SKIN. ANOTO INMALATION OF PRODUCT WAPORS, MASH PROBUGILLY AFTER HANDLING AND BEFORE CATING, DRINKING OR SHOKING SECTION IX - STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS WHICH ARE XNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

TOCUENE (AEPRODUCTIVE HARM): BENZENE (CANCER):
SECTION X - PRECAUTION AND OTHER COMMENTS =

TO THE BEST OF OUR CHANGEOGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, HOWEVER, MICH PRODUCTS COSE NOT ASSUME ANY LIABILITY MANTSDEVER FOR THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH MUZARD A SHOULD BE USED WITH CAUTION. ANY PRODUCT USE, WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET, OR WHICH INVOLVES USING THE PRODUCT IN COMBINATION WITH ANY OTHER PROCESS. IS THE SOLE RESPONSIBILITY OF THE USER.

PRODUCT NAME: THROTTLE-BODY & AIR-INTAKE CLN

Page

2

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Brakleen® Brake Parts Cleaner - Non-Chlorinated

Product Number (s): 05084, 05084-6

Manufactured By: CRC Industries, Inc. (215) 674-4300

885 Louis Drive, Warminster, PA 18974

24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS	ACGIH	OSHA	OTHER	%
	NUMBER	TLV	PEL	LIMITS	
Toluene	108-88-3	100 ppm	100 ppm	NE	22-32
Methanol	67-56-1	200 ppm	200 ppm	NE	15-25
Acetone	67-64-1	750 ppm	750 ppm	NE	45-55
Carbon Dioxide	124-38-9	5000 ppm	10000 ppm	NE	< 10

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Clear, water-white liquid.

Danger: Extremely Flammable. Vapor Harmful. Harmful or Fatal if Swallowed. May be fatal or cause

blindness if swallowed Eye and skin irritant. Contents Under Pressure.

Potential Health Effects:

Inhalation: Dizziness, breathing difficulties, anesthetic effects, nausea and irritation to respiratory

tract.

Eyes: Irritation

Skin: Irritation, defatting

Ingestion: NA

Carcinogenicity: OSHA: No IARC: No NTP: No Chronic Overexposure: Contact dermatitis. Chronic overexposure may cause

nervous system damage.

Medical Conditions Aggravated by Exposure:

Breathing problems.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.

Eyes: Flush with large amounts of water for 15 minutes.

Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: Call a physician. Do not induce vomiting.

angestion. Can a physician. Do not muce volunting.

Page I of 3

Product Name: Brakleen® Brake Parts Cleaner - Non-Chlorinated

Section 5:	Fire-Fighting M	leasures						
Flashpoint Extinguish	: < 0° ing Media:	°F	Method: CO ₂ , foam a	TCC and fog	LEL: 1.0		UEL:	13.0
Hazardous Combustion Products: Fire-fighting Instructions:			CO ₂ carbon monoxide Remove containers from fire area if possible. Use so breathing apparatus for fire fighting. Acrosol cans mabove 120°F.			self-co s may e	lf-contained ay explode if hea	
		•	Flammabilit	v: 3	Reactivity:	0		
NFPA:	Health:	2	Lamineton					

Section 6: Accidental Release Measures

Spitl/Leak Procedures: Usually not a problem with acrosols. Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area. Acrosol cans must be maintained below 120°F to prevent cans from exploding.

Acrosol Level: III

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

Section 9: Physical & Chemical Properties

Physical State: Liqu Specific Gravity: 0.81 Freezing Point: ND Evaporation Rate: fast pH: NA				Boiling l Vapor Pr	ressure: ensity (air = 1)	Clear, water-white liquid 131°F (initial) ND ND Partially soluble in water.
pii.	1,112			27512-275	21 de Treath, dans le	Soluble in most organic liquids.
Volatile Organic Comp	ounds %:	45	g/L:	366	lbs./gal:	3.0

Section 10: Stability and Reactivity

Stability; Stable Hazardous Polymerization: No Chemical Incompatibilities: Strong oxidizers.

Materials to Avoid: Strong oxidizing agents and sources of ignition.

Page 2 of 3

Product Name: Brakleen® Brake Parts Cleaner - Non-Chlorinated

Product Number (s): 05084, 05084-6

Hazardous Decomposition Products: None

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity: No data available.

Environmental Fate: No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name: Consumer Commodity

Hazard Class: ORM-D UN Number: NA Packing Group: NA

Label: NA Placard: NA

Special Provisions: NA

-

Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.

SARA Title III: Section 311/312: Acute, Pressure
Section 313*: Toluene, Methanol

CERCLA/Superfund (RQ): Mixture
Extremely Hazardous Substances: No

California Prop 65: This product contains chemicals known to the State of

California to cause cancer, birth defects and other

reproductive harm.

* See section 2 for percentage

Section 16: Additional Information

Prepared By: Michelle Milburn Date: December 2, 2003

Technical Information: (800) 521-3168 CRC #: 594N

This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service NA: Not Applicable Parts per Million ND: Not Determined ppm: TCC: Tag Closed Cup Not Established NE: Lower Explosive Limit LEL grams per Liter g/L: Upper Explosive Limit UEL: lbs/gai: pounds per gallon Personal Protection Equipment PPE: RO: Reportable Quantity COC: Cleveland Closed Cup

Page 3 of 3